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Arg	His	Gln	Val	Arg	Gly	Gln	Pro	Asp 25	Pro	Pro	Cys	Gly	Gly	Arg	Leu
Asn	Ser	Lys 35	Asp	Ala	Gly	Tyr	Ile 40	Thr	Ser	Pro	Gly	Tyr	Pro	Gln	Asp
Tyr	Pro 50	Ser	His	Gln	Asn	Cys 55	Glu	Trp	Ile	Val	Tyr 60	Ala	Pro	Glu	Pro
Asn 65	Gln	Lys	Ile	Val	Leu 70	Asn	Phe	Asn	Pro	His 75	Phe	Glu	Ile	Glu	Lys 80
His	Asp	Cys	Lys	Tyr 85	Asp	Phe	Ile	Glu	Ile 90	Arg	Asp	Gly	Asp	Ser	Glu
Ser	Ala	Asp	Leu 100	Leu	Gly	Lys	His	Cys 105	Gly	Asn	Ile	Ala	Pro 110	Pro	Thr
Ile	Ile	Ser 115	Ser	Gly	Ser	Met	Leu 120	Tyr	Ile	Lys	Phe	Thr	Ser	Asp	Tyr
Ala	Arg 130	Gln	Gly	Ala	Gly	Phe	Ser	Leu 135	Arg	Tyr	Glu	Ile	Phe	Lys	Thr
Gly 145	Ser	Glu	Asp	Cys	Ser 150	Lys	Asn	Phe	Thr	Ser	Pro	Asn	Gly	Thr	Ile
Glu	Ser	Pro	Gly	Phe 165	Pro	Glu	Lys	Tyr	Pro 170	His	Asn	Leu	Asp	Cys	Thr
Phe	Thr	Ile	Leu 180	Ala	Lys	Pro	Lys	Met 185	Glu	Ile	Ile	Leu	Gln	Phe	Leu
Ile	Phe 195	Asp	Leu	Glu	His	Asp	Pro 200	Leu	Gln	Val	Gly	Glu	Gly	Asp	Cys
Lys	Tyr 210	Asp	Trp	Leu	Asp	Ile 215	Trp	Asp	Gly	Ile	Pro 220	His	Val	Gly	Pro
Leu 225	Ile	Gly	Lys	Tyr	Cys 230	Gly	Thr	Lys	Thr	Pro	Ser	Glu	Leu	Arg	Ser
Ser	Thr	Gly	Ile 245	Leu	Ser	Leu	Thr	Phe	His 250	Thr	Asp	Met	Ala	Val	Ala
Lys	Asp	Gly	Phe 260	Ser	Ala	Arg	Tyr	Tyr	Leu 265	Val	His	Gln	Glu	Pro	Leu
Glu	Asn 275	Phe	Gln	Cys	Asn	Val	Pro 280	Leu	Gly	Met	Glu	Ser	Gly	Arg	Ile
Ala	Asn 290	Glu	Gln	Ile	Ser	Ala 295	Ser	Ser	Thr	Tyr	Ser 300	Asp	Gly	Arg	Trp
Thr 305	Pro	Gln	Gln	Ser	Arg 310	Leu	His	Gly	Asp	Asp 315	Asn	Gly	Trp	Thr	Pro
Asn	Leu	Asp	Ser	Asn 325	Lys	Glu	Tyr	Leu	Gln 330	Val	Asp	Leu	Arg	Phe	Leu
Thr	Met	Leu	Thr 340	Ala	Ile	Ala	Thr	Gln 345	Gly	Ala	Ile	Ser	Arg	Glu	Thr
Gln	Asn 355	Gly	Tyr	Tyr	Val	Lys	Ser 360	Tyr	Lys	Leu	Glu	Val	Ser	Thr	Asn
Gly	Glu 370	Asp	Trp	Met	Val	Tyr 375	Arg	His	Gly	Lys	Asn 380	His	Lys	Val	Phe
Gln 385	Ala	Asn	Asn	Asp	Ala 390	Thr	Glu	Val	Val	Leu 395	Asn	Lys	Leu	His	Ala
Pro	Leu	Leu	Thr	Arg 405	Phe	Val	Arg	Ile	Arg 410	Pro	Gln	Thr	Trp	His	Ser

Gly Ile Ala Leu Arg Leu Glu Leu Phe Gly Cys Arg Val Thr Asp Ala
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 Pro Cys Ser Asn Met Leu Gly Met Leu Ser Gly Leu Ile Ala Asp Ser
 435 440 445
 Gln Ile Ser Ala Ser Ser Thr Gln Glu Tyr Leu Trp Ser Pro Ser Ala
 450 455 460
 Ala Arg Leu Val Ser Ser Arg Ser Gly Trp Phe Pro Arg Ile Pro Gln
 465 470 475 480
 Ala Gln Pro Gly Glu Trp Leu Gln Val Asp Leu Gly Thr Pro Lys
 485 490 495
 Thr Val Lys Gly Val Ile Ile Gln Gly Ala Arg Gly Gly Asp Ser Ile
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 Thr Ala Val Glu Ala Arg Ala Phe Val Arg Lys Phe Lys Val Ser Tyr
 515 520 525
 Ser Leu Asn Gly Lys Asp Trp Glu Tyr Ile Gln Asp Pro Arg Thr Gln
 530 535 540
 Gln Pro Lys Leu Phe Glu Gly Asn Met His Tyr Asp Thr Pro Asp Ile
 545 550 555 560
 Arg Arg Phe Asp Pro Ile Pro Ala Gln Tyr Val Arg Val Tyr Pro Glu
 565 570 575
 Arg Trp Ser Pro Ala Gly Ile Gly Met Arg Leu Glu Val Leu Gly Cys
 580 585 590
 Asp Trp Thr Asp Ser Lys Pro Thr Val Glu Thr Leu Gly Pro Thr Val
 595 600 605
 Lys Ser Glu Glu Thr Thr Thr Pro Tyr Pro Thr Glu Glu Ala Thr
 610 615 620
 Glu Cys Gly Glu Asn Cys Ser Phe Glu Asp Asp Lys Asp Leu Gln Leu
 625 630 635 640
 Pro Ser Gly Phe Asn Cys Asn Phe Asp Phe Leu Glu Glu Pro Cys Gly
 645 650 655
 Trp Met Tyr Asp His Ala Lys Trp Leu Arg Thr Thr Trp Ala Ser Ser
 660 665 670
 Ser Ser Pro Asn Asp Arg Thr Phe Pro Asp Asp Arg Asn Phe Leu Arg
 675 680 685
 Leu Gln Ser Asp Ser Gln Arg Glu Gly Gln Tyr Ala Arg Leu Ile Ser
 690 695 700
 Pro Pro Val His Leu Pro Arg Ser Pro Val Cys Met Glu Phe Gln Tyr
 705 710 715 720
 Gln Ala Thr Gly Gly Arg Gly Val Ala Leu Gln Val Val Arg Glu Ala
 725 730 735
 Ser Gln Glu Ser Lys Leu Leu Trp Val Ile Arg Glu Asp Gln Gly Gly
 740 745 750
 Glu Trp Lys His Gly Arg Ile Ile Leu Pro Ser Tyr Asp Met Glu Tyr
 755 760 765
 Gln Ile Val Phe Glu Gly Val Ile Gly Lys Gly Arg Ser Gly Glu Ile
 770 775 780
 Ala Ile Asp Asp Ile Arg Ile Ser Thr Asp Val Pro Leu Glu Asn Cys
 785 790 795 800
 Met Glu Pro Ile Ser Ala Phe Ala Gly Glu Asn Phe Lys Val Asp Ile
 805 810 815
 Pro Glu Ile His Glu Arg Glu Gly Tyr Glu Asp Glu Ile Asp Asp Glu
 820 825 830
 Tyr Glu Val Asp Trp Ser Asn Ser Ser Ala Thr Ser Gly Ser Gly
 835 840 845
 Ala Pro Ser Thr Asp Lys Glu Lys Ser Trp Leu Tyr Thr Leu Asp Pro
 850 855 860
 Ile Leu Ile Thr Ile Ile Ala Met Ser Ser Leu Gly Val Leu Leu Gly
 865 870 875 880
 Ala Thr Cys Ala Gly Leu Leu Leu Tyr Cys Thr Cys Ser Tyr Ser Gly
 885 890 895
 Leu Ser Ser Arg Ser Cys Thr Thr Leu Glu Asn Tyr Asn Phe Glu Leu
 900 905 910
 Tyr Asp Gly Leu Lys His Lys Val Lys Met Asn His Gln Lys Cys Cys

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925

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Tyr Leu

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Tyr Leu

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Pro	Gln	Thr	Cys	Lys	Cys	Ser	Cys	Lys	Asn	Thr	Asp	Ser	Arg	Cys	Lys
			20					25					30		
Ala	Arg	Gln	Leu	Glu	Leu	Asn	Glu	Arg	Thr	Cys	Arg				
		35					40								

SECRET